

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An apparatus for controlling a computer operation based on one or more stimuli sensed from at least one user thought, said apparatus comprising:

(a) stimuli input means coupled to the user for detecting at least one stimulus being caused by the at least one thought of the user;

(b) a computer having an operating system, coupled to said stimuli input means, for processing said at least one stimulus to produce a function control signal to control the operation of said computer wherein said computer does not require an articulated response from the user, said computer comprising:

(1) function selection means for receiving said at least one stimulus and wherein said function selection means comprises a memory including a correspondence between a plurality of previously-stored user stimuli and a plurality of desired function control signals;

(2) identification means, coupled to said function selection means, for comparing said at least one stimulus to said correspondence to identify a function control signal corresponding to

said at least one stimulus, said function control signal being
transmitted to the operating system of said computer.

2. (Previously Presented) The apparatus of Claim 1 wherein said stimuli input means comprises magnetic source imaging means.

3. (Cancelled).

4. (Previously Presented) The apparatus of Claim 1 further comprising auxiliary stimuli input means, coupled to said computer, for providing additional or alternative stimuli inputs from the user using equipments capable of measuring such emissions.

5. - 8. (Cancelled).

9. (Original) The apparatus of Claim 1 further comprising communicating means, coupled to said computer, for communicating information pertaining to the user's thoughts.

10 - 11. (Cancelled).

12. (Original) The apparatus of Claim 1 wherein said computer further comprises designating means coupled to said function selection means, said designating means permitting the user to designate a particular representation to be associated with said at least one stimulus.

13. - 14. (Cancelled).

15. (Original) The apparatus of Claim 1 wherein said stimuli input means comprises conditioning means for conditioning said at least one stimulus for use by said computer.

16. (Cancelled).

17. (Original) The apparatus of Claim 1 wherein said computer further comprises a database for storing inaccuracies regarding said correspondence between said plurality of previously-stored user stimuli and said plurality of desired function control signals.

18. (Previously Presented) The apparatus of Claim 1 wherein said computer further comprises respective data bases for storing user unique stimuli from respective users, said user unique stimuli being usable by said computer for security or identification of users.

19. - 20. (Cancelled).

21. (Original) The apparatus of Claim 1 wherein said computer further comprises stimuli selection means for selecting stimuli from the user based upon acceptance criteria to form said previously-stored user stimuli.

22. - 37. (Cancelled).

38. (Original) The apparatus of Claim 1 further comprising means for detecting coactive stimuli for increasing the dependability of said function selection means.

39. (Cancelled).

40. (Original) The apparatus of Claim 1 further comprising means for detecting sequential stimuli for increasing the dependability of said function selection means.

41. - 43. (Cancelled).

44. (Original) The apparatus of Claim 1 further comprising localization means for identifying locations in the user of the source of said at least one stimulus.

45. (Original) The apparatus of Claim 44 further comprising adapting means for adapting said apparatus to a change of location of the source of said at least one stimulus whenever the user moves.

46. - 50. (Cancelled).

51. (Original) The apparatus of Claim 1 further comprising bodily communication means, said bodily communication means being adapted to be coupled to the user, or within the user, to provide for a communication path for said at least one stimulus between the user's brain and a user body part to be controlled.

52. - 54. (Cancelled).

55. (Previously Presented) Apparatus for controlling computer operation from one or more stimuli sensed from one or more thoughts in a user's body, said apparatus comprising:

(a) detecting means for detecting said one or more stimuli sensed from said one or more thoughts to produce one or more detected stimuli,

(b) selecting means for receiving one or more of said detected stimuli to perform a function and selecting a correspondence to one or more user thoughts to produce a selected function and wherein said selecting means does not require an articulated response from the user,

(c) identification means for identifying one or more said detected stimuli as corresponding to said selected function for producing a function control signal,

(d) receiving means for receiving said function control signal for said controlling said computer operation.

56. - 66. (Cancelled).

67. (Previously Presented) An apparatus for controlling a computer operation based on one or more stimuli sensed from at least one user thought pattern, said apparatus comprising:

(a) stimuli input means coupled to the user for detecting at least one stimulus being caused by the at least one thought pattern of the user;

(b) a computer having an operating system, coupled to said stimuli input means, for processing said at least one stimulus to produce a function control signal to control the operation of said computer wherein said computer does not require an articulated response from the user, said computer comprising:

(1) function selection means for receiving said at least one stimulus and wherein said function selection means comprises a memory including a correspondence between a plurality of previously-stored user stimuli and a plurality of desired function control signals;

(2) identification means, coupled to said function selection means, for comparing said at least one stimulus to said correspondence to identify a function control signal corresponding to said at least one stimulus, said function control signal being transmitted to the operating system of said computer.

68. (Previously Presented) Apparatus for controlling computer operation from one or more stimuli sensed from one or more thought patterns in a user's body, said apparatus comprising:

(a) detecting means for detecting said one or more stimuli sensed from said one or more thought patterns to produce one or more detected stimuli,

(b) selecting means for receiving one or more of said detected stimuli to perform a function and selecting a correspondence to one or more user thought patterns to produce a selected function and wherein said selecting means does not require an articulated response from the user,

(c) identification means for identifying one or more said detected stimuli as corresponding to said selected function for producing a function control signal,

(d) receiving means for receiving said function control signal for said controlling said computer operation.

69. (Previously Presented) An apparatus for controlling a computer operation based on one or more stimuli sensed from at least one user thought category, said apparatus comprising:

(a) stimuli input means coupled to the user for detecting at least one stimulus being caused by the at least one thought category of the user;

(b) a computer having an operating system, coupled to said stimuli input means, for processing said at least one stimulus to produce a function control signal to control the operation of said computer wherein said computer does not require an articulated response from the user, said computer comprising:

(1) function selection means for receiving said at least one stimulus and wherein said function selection means comprises a memory including a correspondence between a plurality of

previously-stored user stimuli and a plurality of desired function control signals;

(2) identification means, coupled to said function selection means, for comparing said at least one stimulus to said correspondence to identify a function control signal corresponding to said at least one stimulus, said function control signal being transmitted to the operating system of said computer.

70. (Previously Presented) Apparatus for controlling computer operation from one or more stimuli sensed from one or more thought categories in a user's body, said apparatus comprising:

(a) detecting means for detecting said one or more stimuli sensed from said one or more thought categories to produce one or more detected stimuli,

(b) selecting means for receiving one or more of said detected stimuli to perform a function and selecting a correspondence to one or more user thought categories to produce a selected function and wherein said selecting means does not require an articulated response from the user,

(c) identification means for identifying one or more said detected stimuli as corresponding to said selected function for producing a function control signal,

(d) receiving means for receiving said function control signal for said controlling said computer operation.